## LISTING OF CLAIMS

3	1.	(Curre	ently amended) An apparatus for controlling the system supply voltage in a system		
4		utilizir	ng a spread spectrum clock signal, the apparatus including:		
5		(a)	a spread spectrum clock source having a modulation input;		
6		(a <u>b</u> )	a modulating arrangement including a modulation signal source having an output		
7	:	·	connected to the modulation input of the spread spectrum clock source, the		
8	•		modulating arrangement applying a first modulation to operatively connected to		
9			apply a first modulation to one of the system supply voltage or a clock signal		
0			frequency for the system, the first modulation varying the one of the system		
11			supply voltage or clock signal frequency about a nominal value for the one of the		
12			system supply voltage or clock signal frequency; and		
13		( <u>bc</u> )	a corresponding modulating arrangement operatively connected to apply a		
14	. :		corresponding modulation to the other one of the a system supply voltage or the		
15			clock signal frequency, the corresponding modulation varying the other one of the		
16		• • • •	system supply voltage or the clock signal frequency about a nominal value for the		

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other one of the system supply voltage or the clock signal frequency.

(Currently Amended) The apparatus of Claim [[6]] 1 further including a power supply circuit having a reference input, and wherein the modulation signal source output is applied to modulate the a signal at the reference input. (Previously presented) The apparatus of Claim 7 further including a summing junction 8. connected to sum a DC reference voltage and the modulation signal source output to produce a summed output and apply the summed output to the reference input of the power supply circuit. (Original) The apparatus of Claim 1 wherein the first modulation and the corresponding 10 modulation comprise unequal waveforms. 11 12 (Currently amended) A spread spectrum clock system including: 13 a spread spectrum clock source having a frequency modulation input and 14 providing a clock signal; .15 a power supply circuit providing a supply voltage output; 16 (b) a modulating arrangement including a modulator connected to provide a 17 (c) modulated reference input to the power supply circuit, the modulating 18 arrangement applying operatively connected to apply a first modulation to one of 19 the supply voltage output or the frequency of the clock signal, the first modulation 20 varying the one of the supply voltage output or the frequency of the clock signal 21

1		about a nominal value for the one of the s	appry voicage output of the nee	Inomo,
2		the clock signal; and		
3	(d)	a corresponding modulating arrangement	operatively connected to apply	the
4 .		supply voltage output to produce a corres	ponding modulation to <u>in</u> the o	ther one
5		of the supply voltage output or the freque	ncy of the clock signal, the	
6	:	corresponding modulation varying the oth	ner one of the supply voltage or	<del>itput or</del>
7	•.	the frequency of the clock signal about a	nominal value for the other one	of the
8		supply voltage output or the frequency of	the clock signal.	
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10	11. Cano	celed		•
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12	12. (Cur	rently Amended) The apparatus of Claim H	10 further including:	
13	(a)	a signal translator connected to receive the	ne <del>system</del> supply voltage outpu	t and
14		provide a translated output to the frequen	ncy modulation input of the spre	ead
15		spectrum clock source.		
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17	13-15 Can	celed		
18	· ; .			
19	16. (Ori	ginal) The apparatus of Claim 10 wherein the	ne first modulation waveform a	nd the
20	corr	esponding modulation waveform are unequ	al.	
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(Currently amended) A method for providing a spread spectrum clock signal for a circuit, 17. the method including the steps of: modulating a power supply signal for the circuit at a first modulation to vary the (a) · power supply signal about a nominal supply voltage; and conditioning the modulated power supply signal for the circuit to produce a **(b)** conditioned signal at the first modulation; applying the conditioned signal to a modulation input of a spread spectrum clock (bc) source circuit to modulate modulating the frequency of the clock signal for the circuit at a corresponding modulation to vary the frequency of the clock signal about a nominal clock signal frequency. 10 (Previously presented) The method of Claim 17 wherein the step of modulating the power 18. 12 supply signal for the circuit includes the step of: 13 (a) modulating a reference voltage input to a power supply for the circuit. 14 15 19-22 Canceled 16 17 18 (Original) The method of Claim 17 wherein the first modulation waveform and the 19 23. corresponding modulation waveform are unequal. 20